International application No.
PCT/IB03/03475

PCT/IB03/03475 ... CLASSIFICATION OF SUBJECT MATTER A61K45/00, 31/519, 31/55, 31/7088, 39/395, 48/00, A61P17/04, 43/00, C07D401/14, 403/06, 417/14, 471/14, According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) A61K45/00-45/08, 31/00-31/80, 48/00, A61P1/00-43/00, C07D401/00-401/14, 403/00-403/06, 417/00-417/14, 471/00-471/14, 519/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAPLUS (STN), REGISTRY (STN), WPI (DIALOG), MEDLINE (STN), EMBASE (STN), BIOSIS(STN), BIOTECHABS(STN), JSTPLUS(JOIS), JMEDPLUS(JOIS), DDBJ/GanBank/EMBL, SwissProt/PIR/PDB, GeneSeq C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category\* Citation of document, with indication, where appropriate, of the relevant passages 1-3,12,15, WO 02/24222 A2 (THE CLEVELAND CLINIC FOUNDATION), Y 16,20-22 28 March, 2002 (28.03.02), Claims; examples & US 2002/0107197 A1 & AU 200192867 A 1-3, 12, 15,· Y BEERS, M.H. et al., (ed.) THE MERCK MANUAL OF DIAGNOSIS AND THERAPY., 17th Edition., 1999, 16,20-22 ISBN 0911910-10-7, ISSN 0076-6526, pages 786 to 793; particularly, page ATOPIC DERMATITIS 1-3,12,15, WO 02/061087 A2 (LIFESPAN BIOSCIENCES, INC.), Y 16,20-22 08 August, 2002 (08.08.02), Claims; [265] to [266]; sequence Nos. 272, 273 (Family: none) Further documents are listed in the continuation of Box C. See patent family annex.  $|\mathbf{x}|$ later document published after the international filing date or Special categories of cited documents: priority date and not in conflict with the application but cited to document defining the general state of the art which is not understand the principle or theory underlying the invention considered to be of particular relevance document of particular relevance; the claimed invention cannot be "E" earlier document but published on or after the international filing considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is document of particular relevance; the claimed invention cannot be cited to establish the publication date of another citation or other considered to involve an inventive step when the document is special reason (as specified) combined with one or more other such documents, such "O" document referring to an oral disclosure, use, exhibition or other combination being obvious to a person skilled in the art document published prior to the international filing date but later document member of the same patent family than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 24 December, 2003 (24.12.03) 11 December, 2003 (11.12.03) Authorized officer Name and mailing address of the ISA/

Telephone No.

Facsimile No.

Japanese Patent Office

International application No.
PCT/IB03/03475

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Ŷ	HEIBER, M. et al., Isolation of Three Novel Human Encoding G Protein-Coupled Receptors., DNA Cell Biol., 1995, 14(1), pages 25 to 35	1-3,12,15, 16,20-22
Y	MAHADEVAN, M.S. et al., Isolation of a Novel G Protein-Coupled Receptor(GPR4) Localized to Chromosome 19q13.3. Genomics, 1995, 30, pages 84 to 88	1-3,12,15, 16,20-22
A	EP 549352 A2 (KYOWA HAKKO KOGYO CO., LTD.), 30 June, 1993 (30.06.93), & JP 6-228065 A & US 5378701 A & US 5478840 A & US 5607955 A	4-11,14-16
<b>A</b> .	EP 325755 A1 (KYOWA HAKKO KOGYO CO., LTD.), 02 August, 1989 (02.08.89), & JP 1-308274 A	4-11,14-16
A	<pre>JP 9-40662 A (KYOWA HAKKO KOGYO CO., LTD.), 10 February, 1997 (10.02.97), (Family: none)</pre>	4-11,14-16
		·
		·
•		

International application No.

PCT/JP03/03475

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. X Claims Nos.: 13, 17-19			
because they relate to subject matter not required to be searched by this Authority, namely:  Claims 13 and 17 to 19 pertain to methods for treatment of the human body  by therapy (PCT Article 17(2)(a)(i), PCT Rule 39.1(iv)).			
2. Claims Nos.:			
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3. Claims Nos.:			
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:  The technical matter common to claims 1-3 and 12, parts of claims 15 and 16 referring to claims 1-3, and claims 20-22 is prevention and/or treatment of itch by using the active ingredient a substance capable of suppressing the signal-transducing functions of a protein having an amino acid sequence set forth in sequence number 11, while that common to claims 4-11 and 14, and parts of claims 15 and 16 referring to claim 10 is compounds represented by the general formula (I) in themselves.  Therefore, there is no technical matter common to both groups which is considered as a special technical feature, and the two groups of inventions (continued to extra sheet)  1.   As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  2.   As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  3.   As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos::			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Pamark on Protect. The additional search food were accompanied by the analisant's analysis			
Remark on Protest The additional search fees were accompanied by the applicant's protest.			
No protest accompanied the payment of additional search fees.			

International application No. PCT/IB03/03475

Continuation of Box No. II of continuation of first sheet(1)

are not considered as being so linked as to form a single general inventive concept.